



# UV-AIRE™ AIR PURIFYING SYSTEM

Model: UV-500C

\*For best results, operate the UV-500 continuously 24 hours a day.



## UV-500C Features

- 1 8" germicidal UV lamp
- 2 10"x10" high-efficiency/carbon filter
- 3 Heavy-duty three speed fan
- 4 Visual lamp and filter condition alert
- 5 Adjustable fan control
- 6 Built-in handles for easy portability
- 7 Non-skid rubber feet

### ITEMS INCLUDED IN SYSTEM:

- 1-UV-Aire™ UV-500C unit
- 1-Ultra Violet Lamp Individually Boxed
- 1-Instruction Sheet
- 4-10" x 10" x 1" Filters
- 1-Bagged Parts: *containing lamp connector, alcohol swab and access door screw*



The high intensity ultraviolet light attacks airborne mold, bacteria, and viruses. The high efficiency filter traps allergens, dust, and pollen. The carbon filter removes odors and attacks VOC's (volatile organic compounds).

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### READ THESE INSTRUCTIONS CAREFULLY AND COMPLETELY BEFORE PROCEEDING WITH THE INSTALLATION

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LEAVE THE INSTALLATION INSTRUCTIONS WITH THE OWNER/OPERATOR OF THE DEVICE

AFTER OPENING THE CARTON, UNPACK AND INSPECT THE UNIT AND LAMP FOR DAMAGE.  
**DO NOT** INSTALL THIS UNIT IF ANY DAMAGE IS NOTICEABLE.

### SAFETY CONSIDERATIONS



**WARNING:** *Never expose eyes or skin to UVC light from any source.*

- Looking directly at the UVC light may cause permanent eye damage or blindness.
- **Never operate the UV-Aire™ Air Purifying System with the UV lamp access door open.**



**WARNING:** *DO NOT mount this unit outdoors.*

- This product is designed for indoor installation only.



**WARNING:** *To avoid electrical shock hazard, do not operate in wet environment.*



**FIELDCONTROLS**  
SOLUTIONS FOR THE GREAT INDOORS™

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## I. INDICATION FOR USE

This product is not sold as a medical device and is not for the purpose of diagnosis of any disease or condition nor for use in the mitigation, treatment, or prevention of any disease or condition.

## II. GENERAL INFORMATION

Model	Volts	Amps	Hz	Watts	Lamp Intensity at 1 meter	Recommended Max Sq. Feet	Weight	Width (Inches)	Height (Inches)	Depth (Inches)
UV-500C	120	.4	60	38	15 $\mu$ W/cm <sup>2</sup>	500	11 Lbs	12	15	13

### FEATURES

1. The UV-500C is equipped with a three speed control to allow the user to adjust the airflow through the unit from 30 cfm to 70 cfm. Any speed is effective in rooms up to 500 square feet.
2. The UV-500C is equipped with a circuit board to monitor the operation of the UV lamp and the operation time until the filter or lamp needs to be changed.

## III. UV-500C SET UP PROCEDURE

1. Remove the lamp from the top carton pad.
2. Remove the lamp connector from the bagged parts provided.
3. Remove the UV-500C from its protective plastic bag.



**WARNING: DO NOT PLUG INTO WALL OUTLET!**

4. Connect the UV lamp to the lamp connector knob (See Figure 1)
5. Clean the lamp with the alcohol swab provided. (See Figure 2)

**NOTE:** *Dirt and fingerprints will reduce lamp output and effectiveness.*

6. Open the lamp access door on the back of the unit.
7. Insert the ceramic tip of the lamp into the UV port and twist the lamp connector clockwise to lock in place. (See Figure 3)
8. With unit still **UNPLUGGED**, insert the lamp power connector into the recessed receptacle on the unit. (See Figure 4)

9. Close the access door and install the access door screw provided in the bagged parts. (See Figure 5)



Figure 1



Figure 2



Figure 3



Figure 4



Figure 5

- Slide the filter drawer out of the base. Remove one the four filters from its plastic bag and place it in the drawer with arrow/carbon side up. (See Figure 6)
- Slide the filter drawer with filter back into the base unit. Press firmly until drawer catches.

**NOTE:** *The positive catch eliminates vibration and ensures proper function of the filter.*

- Unwind the power cord from underneath the unit and insert plug into any standard 120-volt outlet.
- Turn the speed control knob clockwise to turn the unit on. After the fan has started, the LED lights will show a continuous "GREEN" color and the LCD will indicate 365 days left for the lamp and 90 days for the filter. See Figure 7)



**Figure 6**



**Figure 7**

**NOTE:** *If the LCD display reads differently use the point of a pen or paper clip to press the "reset" button beside the LED for either the lamp or the filter to reset the days as shown above.*

#### **IV. OPERATION**

- Place the UV-500C in the desired area; plug the power cord into a standard 120-volt wall receptacle.
- Turn the speed control knob clockwise to turn on the unit and to adjust the motor/fan speed to the desired airflow. (Refer to Figure 7)
- After the fan has started, the LED light for the lamp and filter will show a continuous "GREEN" color indicating proper unit operation.

#### **IV. MAINTENANCE**

- Replace 10"x 10" intake filter every 90 days. The LED beside the filter indicator will turn "RED" and the display will say "FILTER: CHANGE" when it is time to replace the filter.
- Replace your UV-Aire™ Air Purifying System lamp once a year to maintain the lamps maximum output intensity. The lamp should operate continuously for maximum lamp life and light effectiveness. The LED beside the lamp indicator will turn "RED" and the display will say "LAMP: CHANGE" when it is time to replace the filter.



**Figure 8**

#### **VI. REPLACEMENT PROCEDURES**

##### **REPLACING THE UV LAMP**



**VERY IMPORTANT:** *Turn the speed control switch on unit to 'OFF' position and unplug unit from outlet or turn off power to the unit before replacing the UV lamp.*

- Loosen the screw on the lamp access door on the back of the UV-500C. (See Figure 8)
- Open the door to expose the lamp connection. (See Figure 9)



**Figure 9**



**WARNING:** *Never expose eyes or skin to UVC light from any source. Looking directly at the UVC light may cause permanent eye damage or blindness. Never operate the UV-Aire™ Air Purifying System with the UV lamp access door open. Avoid touching the glass portion of the lamp with your hands.*

3. Disconnect the lamp connection, then rotate lamp-mounting knob counter-clockwise and pull the lamp out of the unit. (See Figure 10 & 11)
4. Remove lamp carefully, by un-plugging the lamp from the lamp-mounting knob. (See Figure 12)

**NOTE:** When replacing the lamp, always wipe off lamp with the supplied alcohol wipe before installing.

5. Plug the new lamp onto the lamp-mounting knob. (See Figure 12)
6. Guide the other end of the lamp through the hole in the UV chamber. (See Figure 11)
7. Secure the lamp into position by rotating the lamp-mounting knob clockwise.
8. Plug the lamp power leads back into the power connection. (See Figure 10)

**NOTE:** UV lamps contain a small amount of mercury, like a typical fluorescent lamp. According to the EPA's Universal Waste Rule, these types of lamps may be disposed of into household waste. Check with your local waste management authority for local disposal or recycling requirements.

9. Close the access door and install the access door screw. (See Figure 8)
10. Plug the power cord back into the wall receptacle or restore power to the UV-500C.
11. Use the point of a pen or paper clip to press the "reset" button beside the lamp LED. (See Figure 13)
12. Lamp LED will turn from "RED" to "GREEN" and the display will say "LAMP: 365 DAYS".

#### REPLACING AIR FILTERS

1. Pull the drawer out at the base of the unit and remove the old filter.
2. Remove the filter from its plastic bag and place the filter into the tray of the drawer with the black carbon facing up.
3. Use the point of a pen or paper clip to press the "reset" button beside the filter LED.
4. Filter LED will turn from "RED" to "GREEN" and the display will say "FILTER: 90 DAYS".



Figure 10



Figure 11

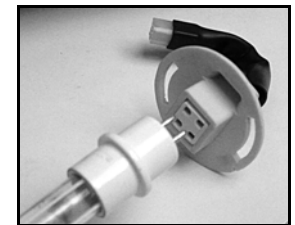


Figure 12



Figure 13

## VII. REPLACEMENT PARTS KIT

### Replacement Kit

- 4 high-efficiency/ carbon filters
- 1 UV lamp



P/N 46474500

For replacement parts, contact your local heating service company. Any questions, please contact Field Controls at:

☎PHONE: 252-522-3031

📠FAX: 252-522-0214

✉EMAIL:

SALES@FIELDCONTROLS.COM

### Limited Warranty

Field Controls, L.L.C. warrants that the following Field Controls, L.L.C. products sold hereunder, shall be free from defects in material and workmanship under normal use for eighteen (18) months from date of manufacturing by the consumer excepting the provisions numbered below.

#### UV-LAMPS/BULBS

Field Controls, L.L.C. warrants that the following Field Controls, L.L.C. products sold hereunder, shall be free from defects in material and workmanship under normal use for ninety (90) days from date of installation by the consumer excepting the provisions numbered below.

#### Provisions:

1. Field Controls shall have no obligation in the event the customer is unable to provide receipt showing the date the customer purchased the product(s) or accurate date code information.
2. The product must be properly installed, maintained and operated under normal conditions.
3. Field Controls shall not be liable for any consequential and incidental damages, resulting from failure of a Field Controls, L.L.C. product, failure to deliver, delay in delivery, delivery in nonconforming condition, or for any breach of contract or duty between Field Controls, L.L.C. and the customer.
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5. Field Controls, L.L.C. makes no warranty of any kind in regard to any other manufacturer's products distributed by Field Controls, L.L.C. Field Controls, L.L.C. will pass on all warranties made by the manufacturer and where possible, will expedite the claim on behalf of the customer, but ultimately, responsibility for disposition of the warranty claim lies with the manufacturer.

The health aspects associated with the use of these products and their ability to aid in disinfecting of environmental air have not been investigated by UL.



**WARNING:** Never expose eyes or skin to UVC light from any source. Looking directly at the UVC light may cause permanent eye damage or blindness. Never operate the UV-Aire™ Air Purifying System with the UV chamber door open. Avoid touching the glass portion of the lamp with your hands.